

Message Text

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ACTION EUR-12

INFO OCT-01 ISO-00 CIAE-00 PM-04 INR-07 L-03 ACDA-05 PA-01

SS-15 PRS-01 SP-02 USIA-06 TRSE-00 SAJ-01 CCO-00

EB-07 FCC-01 OC-05 COME-00 BIB-01 NSC-05 OMB-01 AS-01

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R 211840Z AUG 75

FM USMISSION NATO

TO SECSTATE 3192

SECDEF WASHDC

INFO OTP WASHDC

DCA WASHDC

MCEB WASHDC

JCS WASHDC

USNMR SHAPE

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C O N F I D E N T I A L SECTION 1 OF 2 USNATO 4447

E.O. 11652: GDS

TAGS: ETEL MARR NATO

SUBJECT: US USE OF NATO III SATELITE

REF: USNATO 4043, DTG 011035Z AUG 75

BEGIN SUMMARY. US AND NATO REPS MET ON AUG 20 TO DISCUSS SUBJECT FURTHER. AFTER FIRST ADVOCATING US AND NATO SHARING NATO III A SATELLITE OVER ATLANTIC, NATO REPS ACCEDED TO US PROPOSAL TO POSITION NATO III A OVER PACIFIC FOLLOWING EXPLANATION BY US REP WHY SHARED USE DOES NOT MEET OUR REQUIREMENTS. GROUP SUBSEQUENTLY REFINED THE PROPOSAL, WITH NATO REPS STATING CONDITIONS FOR THEIR AGREEMENT. IN GENERAL TERMS, US WILL HAVE USE OF NATO III A IN RETURN FOR SATISFYING NATO CIRCUIT
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REQUIREMENTS THROUGH US DSCS II ATLANTIC SATELLITE AND FOR GRANTING FINANCIAL CONSESSION IN CHARGES FOR US SERVICES RELATD TO NATO SATCOMSPACE PROGRAM. THE REFINED ALTERNATIVE DOES NOT CHANGE PRESENT NATO III LAUNCH SCHEDULES. CONSEQUENTLY,

NEITHER WE NOR CHAIRMAN OF SATELLITE COMMUNICATIONS WORKING GROUP (SCWG) NOW WERE INVOLVEMENT OF THAT GROUP. WE BELIEVE US SHOULD FORMALLY SUBMIT ITS PROPOSAL TO CHAIRMAN, NICS POLICY COMMITTEE BY SEP 10, 1975. END SUMMARY

1. SECOND EXPLORATORY MEETING ON SUBJECT BETWEEN US AND REPS OF CONCERNED NATO ACTIVITIES CONVENED ON AFTERNOON OF AUG 19, 1975. US REP WAS CAPT D. FISCHER (USN). EACH SIDE HAD ADDRESSED THE FOUR ALTERNATIVES IDENTIFIED AT JULY 29 MEETING (SEE REF A). NICSMA STRONGLY FAVORED ALTERNATIVE FOUR CALLING FOR THE US AND NATO TO SHARE NATO II A OVER THE ATLANTIC. THE US REP EXPLAINED TO THE GROUP WHY THIS ALTERNATIVE DOES NOT MEET US REQUIREMENTS AND, THEREFORE, CANNOT BE ACCEPTED.

2. AFTER SOMEWHAT WIDE-RANGING DISCUSSION OF VARIOUS ASPECTS OF THE OTHER ALTERNATIVES, THE GROUP FOLLOWED THE LEAD OF THE US REP AND FOCUSED ON THE FIRST ALTERNATIVE (FAVORED BY THE US) WHICH PROVIDES FOR OUR USING NATO III A OVER THE PACIFIC. THE GROUP EVENTUALLY REFINED THIS ALTERNATIVE AND TOOK THE FOLLOWING ACTIONS:

A. AGREED, AD REFERENDUM, TO A NEW COMPROMISE FORMULA AS FOLLOWS:

(1) THAT NATO III A SHOULD BE LAUNCHED AS PLANNED IN FEBRUARY 1975. AFTER INITIAL CHECK-OUT UNDER NATO AEGIS THIS SATELLITE WOULD BE MADE AVAILABLE FOR USE BY THE US AUTHORITY UNTIL A DATE ESTIMATED TO BE BETWEEN JUNE 1977 AND JANUARY 1978.

(2) THE NATO SATCOM REQUIREMENTS UP TO THE RETURN OF NATO III A OR THE OPERATION AVAILABILITY OF NATO III B WOULD BE MET THROUGH THE PROVISION OF ADDITIONAL CAPACITY IN THE US DSCS II ATLANTIC SATELLITE (SEE ALSO PARA 2B BELOW).

(3) THAT IN RETURN FOR USE OF THE NATO III A SATELLITE THE US AUTHORITIES WOULD:
-REVISE THE RATES CURRENTLY CHARGED TO NATO FOR LAUNCH, ORBIT CONTROL, AND OTHER ITEMS CONCERNED WITH THE CONFIDENTIAL

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SATCOM III SPACE PROGRAM WITH A VIEW TO MAKING SUCH CHARGES EQUAL TO THOSE NORMALLY LEVIED TO US NATIONAL AGENCIES;

-ASSUME FINANCIAL RESPONSIBILITY FOR IN-ORBIT CONTROL COSTS FOR THE PERIOD THAT NATO III A WAS MADE AVAILABLE FOR USE USE;

- CONSIDER THE REIMBURSEMENT OF THE COSTS FOR DEVELOPMENT OF SPACECRAFT TECHNOLOGY (IN THE AMOUNT OF \$250,000) THAT WE APPLIED TO THE NATO III SPACE PROGRAM.

(4) THAT IF AT ANY TIME AFTER THE SUCCESSFUL LAUNCH OF NATO III A IN FEBRUARY 1976 THE US AUTHORITIES COULD NOT ON POLITICAL, OPERATIONAL, OR TECHNICAL GROUNDS MAKE AVAILABLE

THE CAPACITY REQUIRED BY NATO IN THE DSCS II ATLANTIC SATELLITE,
NATO WOULD BE FREE TO RETURN NATO III A TO THE ATLANTIC AREA
FOR ITS OWN USE;

B. TOOK NOTE OF THE ANTICIPATED NATO SATCOM CIRCUIT REQUIRE-
MENTS DURING THE PERIOD AUGUST 1975 TO DECEMBER 1977 AS DEVELOPED
BY A TECHNICAL SUB-GROUP AND INVITED THE US AUTHORITIES TO
TAKE THESE INTO ACCOUNT IN DETERMINING THE PRACTICABILITY OF
MEETING NATO'S REQUIREMENTS THROUGH THE DSCS DURING THE PERIOD
SPECIFIED.

C. AGREED THAT FURTHER INFORMATION SHOULD BE MADE AVAILABLE
BY THE US AUTHORITIES ON THE ANTICIPATED FINANCIAL SAVINGS TO
NATO THAT WOULD ARISE FROM THE PROPOSED REVISION OF CHARGES
INDICATED IN PARA 2A(3) ABOVE.

D. AGREED AD REFERENDUM ON THE FOLLOWING GENERAL GUIDELINES
COVERING THE DIVISION OF RESPONSIBILITY BETWEEN NATO AND THE US
AUTHORITIES IN RESPECT TO THE USE OF NATO III A BY THE LATTER:

(1) NATO AS OWNER OF THE SATELLITE

-RETAINS CONTROL OVER THE POSITION, RATE OF
MOVEMENT, CONFIGURATION, AND STATION DEEPING PROCEDURES FOR
THE SATELLITE AT ALL TIMES;

-WILL RECEIVE ALL REGULAR AND SPECIAL REPORTS
ON THE SATELLITE HEALTH AND STATUS FROM SAMS9;

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-IS RESPONSIBLE FOR COSTS RESULTING FROM
SATELLITE ANOMALY INVESTIGATIONS, IF REQUIRED.

(2) NATO AGREES TO POSITION THE SATELLITE AT 135
DEGREES WEST LONGITUDE FOR US USE FOLLOWING INITIAL TESTING OF
THE SATELLITE IN ACCORDANCE WITH THE TEST PLANS. THE INITIAL
TESTING INCLUDES TESTING OVER THE ATLANTIC, THUS PERMITTING THE
STC TO ACCESS THE SATELLITE. FOLLOW-ON TESTING WILL BE CONDUCTED
IN A MANNER TO BE AGREED LATER.

(3) DURING THE PERIOD OF EXCLUSIVE USE OF THE NATO
III A SATELLITE THE US IS RESPONSIBLE FOR COSTS OF ORBITAL
CONTROL AND WILL REPORT ANY OBSERVED ANOMALIES IN THE SATELLITE
PERFORMANCE TO NATO.

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ACTION EUR-12

INFO OCT-01 ISO-00 CIAE-00 PM-04 INR-07 L-03 ACDA-05 PA-01

SS-15 PRS-01 SP-02 USIA-06 TRSE-00 SAJ-01 CCO-00

EB-07 FCC-01 OC-05 COME-00 BIB-01 AS-01 OMB-01 NSC-05

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R 211840Z AUG 75
FM USMISSION NATO
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SECDEF WASHDC
INFO OTP WASHDC
DCA WASHDC
MCEB WASHDC
JCS WASHDC
USNMR SHAPE
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C O N F I D E N T I A L SECTION 2 OF 2 USNATO 4447

E. NOTED THAT THE US AUTHORITIES WOULD SUBMIT AS SOON AS
POSSIBLE A FORMAL REQUEST TO NATO COVERING THE POSSIBLE USE OF
NATO III A IN ACCORDANCE WITH THE UNDERSTANDINGS REFLECTED ABOVE.

3. A TECHNICAL WORKING GROUP MEETING ON AUGUST 20 DEVELOPED
THE FOLLOWING DETAILED CIRCUIT REQUIREMENTS WHICH THE US MUST
MEET:

A. REQUIRED DATE AND QUANTITY:

- (1) BY AUGUST 1975: 30 CIRCUITS (60 CHANNELS)
- (2) BY NOVEMBER 1975: 35(70)
- (3) BY APRIL TO JUNE 1976: 55 (QQPL)
- (4) BY JUNE 1977: 99 (198)
- (5) BY DECEMBER 1977: 178 (356)

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B. OTHER PROVISIONS:

(1) TWELVE SATELLITE ACCESSES, SPLIT AS SEVEN OF
OF 24 CHANNELS AND FIVE OF SIX CHANNELS WITH MINIMUM OF 34 DB TTNR.

(3) SIXTEEN SSMA ACCESSES AT 600 BITS PER SECOND
WITH 3 DB MARGIN ABOVE ACQUISITION THRESHOLD.

(3) NATO BANDWIDTH REQUIREMENTS ARE MINUS 25 MHZ
AND PLUS 12 MHZ ABOUT SSMA CENTER FREQUENCY (E.E., CONTINUOUS
BAND 37 MHZ WIDE).

4. THE ALTERNATIVE DESCRIBED ABOVE DOES NOT AFFECT THE NATO III SATCOM PROGRAM SCHEDULE. IN PARTICULAR, THE EXPECTED TOTAL STSTEMLIFE IS UNAFFECTED. CONSEQUENTLY, WE BELIEVE THAT THIS ALTERNATIVE FAILS OUTSIDE THE SCOPE OF THE SATELLITE COMMUNICATIONS WORKING GROUP (SCWG). THE CHAIRMAN, SCWG, AGREES. IF THE US CAN ACCEPT THIS ALTERNATIVE AS NOW FORMULATED, WE RECOMMEND THAT THE US SUBMIT A PROPOSAL FOR ITS ADOPTION TO THE CHAIRMAN, NICS PLICY COMMITTEE. WE SHOULD DELIVER THIS PROPOSAL BY SEPTEMBER 10, 1975 TO MEET SCHEDULE REQUIREMENTS OF THE NICS POLCY COMMITTEE. FYI. UPON RECIEPT OF US PROPOSAL, CHAIRMAN OF NICS POLICY COMMITTEE NOW INTENDS TO DISTRIBUTE IT TO APPROPRIATE NATO ACTIVITIES AND TO OTHER ALLIED DELEGATIONS. LIKELY HE WILL ASK NICSMA, AND THE MAJOR NATO COMMANDERS, AND THE NATO INTERNATIONAL STAFF FOR EVALUATION AND COMMENT PRIOR TO POLICY COMMITTEE MEETING IN OCTOBER 1975. END FYI.

5. IF THE US CANNOT ACCPET THE NATO CONDITIONS IN THE ALTERNATIVE AS NOW FORMULATED, WE RECOMMEND THAT THE US SO INFORM THE APPROPRIATE NATO AUTHORITIES AS SOON ASS FEASIBLE. WE BELIEVE THAT THE US MUST STRIVE FOR NICS POLICY COMMITTEE APPROVAL IN OCTOBER 1975 AND THAT WE MUST ANNOUNCE OUR PROPOSAL AN APPROPRIATE TIME BEFORE THAT MEETING. FURTHER, SHOULD THE US SEEK CHANGES TO THE ALTERNATIVE DESCRIBED IN PARA 2 ABOVE, THE SCWG MAY REENTER INTO THE APPROVAL PROCESS AND OUR TIMING MUST ACCOMMODATE THAT GROUP'S REQUIREMENTS.

6. COMMENT. WE SEE TWO POSSIBLE POLITICAL HURDLES CONFRONTING US USE OF A NATO III SATELLITE. ONE MAY BE A CONFIDENTIAL

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CATEGORICAL OBJECTION BY TURKEY IF CONGRESS DOES NOT LIFT THE AID EMBARGO IN SEPTEMBER. THE OTHER MAY BE OBJECTION OR CONCERN BY ALLIES REGARDING USE OF THE NATO SATELLITE OUTSIDE THE NATO AREA. SHOULD EITHER ARISE, WE EXPECT TO RECEIVE SUPPORT FROM THE NATO INTERNATIONAL STAFF AND FROM NICSMA IN OVERCOMING IT. END COMMENT.
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Message Attributes

Automatic Decaptioning: X
Capture Date: 18 AUG 1999
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 21 AUG 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: buchant0
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975NATO04447
Document Source: ADS
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: 11652 GDS
Errors: n/a
Film Number: n/a
From: NATO
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19750897/abbrzloh.tel
Line Count: 257
Locator: TEXT ON-LINE
Office: n/a
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 5
Previous Channel Indicators:
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: USNATO 4043, DTG 011035Z AUG 75
Review Action: RELEASED, APPROVED
Review Authority: buchant0
Review Comment: n/a
Review Content Flags:
Review Date: 30 APR 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <30 APR 2003 by BoyleJA>; APPROVED <23 DEC 2003 by buchant0>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
06 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: US USE OF NATO III SATELITE
TAGS: ETEL MARR NATO
To: STATE
SECDEF INFO OTP
DCA
MCEB
JCS
USNMR SHAPE

USCINCEUR
USLOSACLANT
CINCLANT
DIRNSA FT MEADE MD

Type: TE

Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 06 JUL 2006